I-TECH
MEDICAL DIVISION

User manual

MNPG 102 Rev. 01 Edition 05/03/13

Pressotherapy model

Power-Q1000 Premium

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I-TECH
MEDICAL DIVISION

MDD 93/42/EEC Compliance

CE 0476

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Pressotherapy

Compressive limbs therapy is able to promote a right venous circulation by decreasing muscle tension caused by stress or chronic and acute pains: thanks to its pump action it favorites venous return by increasing tissues blood circulation and finally their physiological renewal.
Compressive limbs therapy can solve blood stagnation problem in damaged sanguine vessels or in body zones not correctly bedewed.
External compression allows excess interstitial fluids to return in circulatory system in order to be quickly removed.
Most common applications are:

- Body massage increase;
- Blood flow promotion thanks to a slow and progressive pressure;
- Lymphatic drainage;
- Lower limbs relief and comfort;
- Substances stagnation prevention in peripheral tissues;
- Blood insufficiency prevention caused by an inadequate pump action;
- Muscle tone loss in disabled or paralyzed patients. Compressive limbs therapy substitutes the manual massage for trophic purposes.

Machine body

(1) : ON/OFF button
(2) : LCD graphic display
(3) : Programs menu buttons
(4) : Air discharge output

Graphic display detail

(1) MENU' : menu selector (Mode, Pressure time, Interval, Time, Pressure).

(2) MOVE : programs menu selector (Mode, Pressure time, Interval, Time, Pressure).

(3) SET : programs values selector

(4) START/STOP: start/stop selector

(5) SAVE : store button (keeping pressed for 5 seconds)

(6) RESET : reset button (keeping pressed for 5 seconds)

(7) LCD graphic display

(8) PRESSURE (mmHg): pressure value

(9) MODE: mode selector (A1, A2, B, C, D(D1, D2, D3, D4), E)

(10) INTERVAL : interval time (5,10,15,20,25,30 sec)

(11) TIME (min) : therapy time (5÷99 min)

(12) PRESSURE TIME : air flow speed (5,7,9,11,13,15,17,19,21 sec).

(13) LEG PICTURE: shows the working compression chamber.

Accessories

(13)
SPECIAL SPLITTER FOR SIMULTANEOUS THERAPY ON BOTH LEGS AND ABDOMINAL BAND

Accessories size

Legging:

- *Length around 76 cm (from upper side to heel)*
- *Thigh circumference around 65*
- *Ankle circumference around 38 cm*

Armband:

- *Max. length around 86 cm*
- *Biceps circumference around 50 cm*
- *Wrist circumference around 36 cm*

Abdominal band:

- *Abdominal around 136 cm*
- *Height around 46 cm*
- *Velcro height around 31 cm*

Extensions:

- *Max. width around 13 cm*
- *Min. width around 6 cm*

Configurations

Power Q1000 Premium can be supplied in 5 different versions:

POWER Q1000 PREMIUM TOT – compressive limb therapy system comprising machine body, double legging (6), 2 derivations connection tubes (9), 2 pressure plantars (8), armband (11), abdominal band (12), 1 derivation connection tubes (10), special connector for simultaneous therapy on both legs and abdominal band (13).

POWER Q1000 PREMIUM LEG2-ABD – compressive limb therapy system comprising machine body, double legging (6), 2 derivations connection tubes (9), 2 pressure plantars (8), abdominal band (12), 1 derivation connection tubes (10), special connector for simultaneous therapy on both legs and abdominal band (13).

POWER Q1000 PREMIUM LEG2 – compressive limb therapy system comprising machine body, double legging (6), 2 derivations connection tubes (9), 2 pressure plantars (8).

POWER Q1000 PREMIUM LEG1 – compressive limb therapy system comprising machine body, single legging (6), 1 derivation connection tubes (10).

POWER Q1000 PREMIUM ARM1 – compressive limb therapy system comprising machine body, armband (11), 1 derivation connection tubes (10).

Extensions for wide legs (7) and special connector for simultaneous therapy on both legs and abdominal band (13) are available as accessories.
Single accessories are available as optional to complete POWER Q1000 Premium content and potentiality.

Specifications

POWER Q1000 Premium has the following specifications:

- *Class IIa equipment (Directive 93/42/EEC, annexed IX, rule 9);*
- *Class II, applied part type BF (Classif. CEI EN 60601-1);*
- *CE1023 certificate;*
- *Equipment not protected against liquids penetration;*
- *Equipment and accessories not subjected to sterilization;*
- *Use of the equipment is prohibited close to flammable substances or in environments with high concentrations of oxygen;*
- *Continuous operating mode equipment;*
- *Equipment not suited to be used in external.*

Technical Specifications

Power Supply	220-240 VAC, 50-60 Hz	**Therapy time**	Impostabile 5÷99 min.
Current	0,2 A	**Max pressure**	240 mm Hg (±20%)
Max output power	53W	**Weight**	Kg 2kg

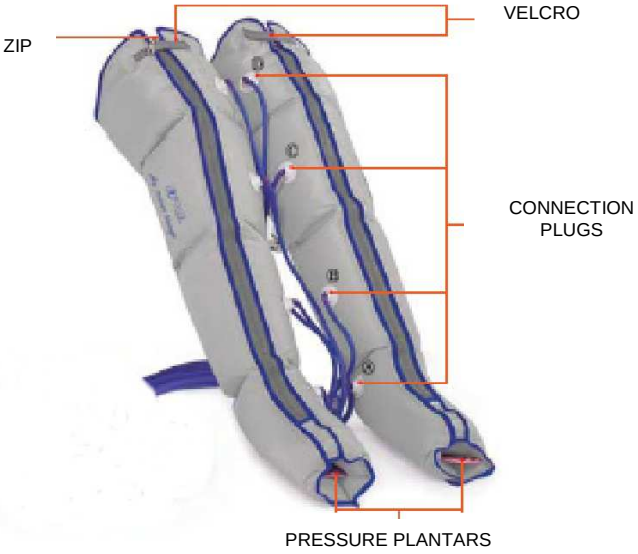
Purpose

Clinical Purpose: *Therapeutic*
Use: *Clinic and domestic use*

Accessories use

a) <u>Leggings use</u>

i) *Wear the leggings (or single legging) and close the zip up to the end, then close the retaining Velcro straps; in case of wide circumferences legs, connect the extensions available as accessories;*



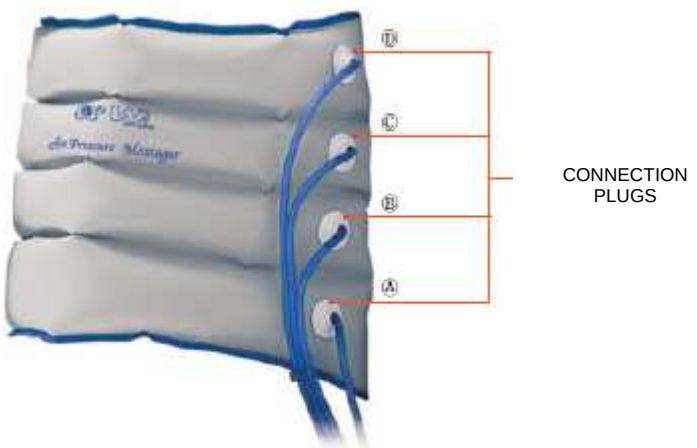
ii) *Insert the pressure plantars under the feet (available only with double leggings);*

iii) *When wearing the leggings pay attention to position the tubes connection cables in the internal side of each legging; in single legging version connection cables position is not important;*

iv) *Connect 4 tubes to the 4 plugs positioned on each legging, paying attention to connect the longer tube to the higher position connector (darker color) of legging (thigh);*

v) *After connecting the tubes to the relatives leggings, connect the tubes to the air discharge output (5).*

b) *Abdominal band use*



i) Wear the band and connect the tubes to the band plugs, paying attention to connect the longer tube to the higher position connector on abdominal band;

ii) After connecting the tubes to the band, connect the tubes to the air discharge output (5).

c) *Simultaneous use of double leggings and abdominal band*

i) Connect the special splitter for simultaneous therapy (13) to the air discharge output (5). Then connect double leggings and abdominal band connectors to the splitter;

ii) Wear the leggings (or single legging) and close the zip up to the end, then close the retaining Velcro straps; in case of wide circumferences legs, connect the extensions available as accessories;

iii) Insert the pressure plantars under the feet (available only with double leggings);

iv) When wearing the leggings pay attention to position the tubes connection cables in the internal side of each legging; in single legging version connection cables position is not important;

v) *Connect 4 tubes to the 4 plugs positioned on each legging, paying attention to connect the longer tube to the higher position connector (darker color) of legging (thigh);*

vi) *After connecting the tubes to the relatives leggings, connect the tube to the splitter connected to the air discharge output (13);*

vii) *Wear the band and connect the tubes to the band plugs, paying attention to connect the longer tube to the higher position connector on abdominal band;*

viii) *After connecting the tubes to the band, connect the tubes to the splitter connected to the air discharge output (13).*

b) *Armband use*

i) *Wear the armband and connect the tubes to the armband plugs, paying attention to connect the longer tube to the higher position connector (darker color) on armband;*

ii) *After connecting the tubes to the armband connect the tubes to the air discharge output (5).*

Extensions use (optional)

Extensions are available as optional to increase legging and/or armband circumference.
Connect the extensions to the zip of the legging/armband (see the following imagine).

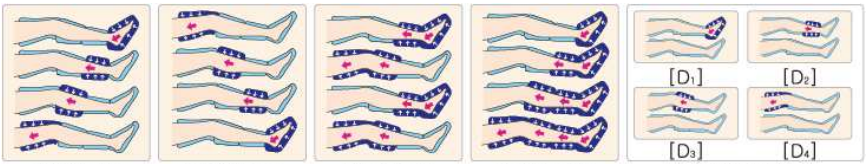
Working instructions

1. Connect cable to the domestic plug 220-240 VAC, then turn ON (1) the ON/OFF switch (1);

2. Select the parameters by pressing on MENU' button.

3. Press on MOVE ◇ button to scroll the menu (MODE, PRESSURE TIME, INTERVAL, TIME (min), PRESSURE (mmHg)).

4. MODE. Select the program by pressing on SET ◇ button:



***MODE A_1**: Air flows in the first chamber (lower limb) according to adjusted pressure and sequentially in the other chambers in a distal-proximal way.*

***MODE A_2**: Air flows in the fourth chamber (upper limb) according to adjusted pressure and sequentially in the other chambers in a proximal-distal way.*

***MODE B**: Air flows in the first two chambers. When adjusted pressure is reached air flows in the last two chambers (distal-proximal way).*

***MODE C**: Air flows in the first chamber (lower limb) according to adjusted pressure and sequentially in the other chambers (distal-proximal way) by keeping swelled up the previous chamber every time.*

***MODE D (1-2-3-4)** : Air flows only in the selected compression chamber (mode D1 chamber 1 ; mode D2 chamber 2 ; mode D3 chamber 4 ; mode D4 chamber 4).*

***MODE E (MODE A_1 + MODE C)** : The machine runs two cycles in sequence. During the first cycle air flows in the first chamber (lower limb) according to adjusted pressure and sequentially in the other chambers in a distal-proximal way. At the end of the first cycle the machine starts the second cycle and air flows in the first chamber (lower limb) according to adjusted pressure and sequentially in the other chambers (distal-proximal way) by keeping swelled up the previous chamber every time.*

These two cycles are repeated in sequence till the end of duration of the treatment.

5. PRESSURE TIME: Select air flow speed by pressing SET buttons. You can choose 9 speed levels : 5,7,9,11,13,15,17,19,21 seconds.
Default speed: 7 seconds.

6. INTERVAL: Select interval time by pressing SET buttons. You can choose 6 time intervals: 5,10,15,20,25,30 seconds. Default interval time 0 seconds.

7. TIME: Select time therapy by pressing SET buttons. Therapy time can be adjusted from 5 to 99 minutes. Default therapy time 15 minutes.
We suggest to start with treatment of 10-15 minutes and increase it progressively according to your needs.

Attention: It's not possible to change therapy time during the treatment.

8. PRESSURE: Select the pressure by pressing SET buttons. It is possible to adjust pressure for each compression chamber from 0 to 240 mmHg.

Attention: Start the treatment with a middle pressure and increase it progressively according to your needs.

9. Press START/STOP button to start the therapy. Any moment it's possible to stop the treatment pressing again START/STOP button.

10.Press RESET button to delete adjusted parameters and restore the default settings.

Troubleshooting

Problem	Solution
Power Q1000 Premium doesn't switch on	• Check the connection to the domestic plug • Check the ON/OFF button • Check the power supply status (no sign of damages) • Check the therapy time
Power Q1000 Premium emits a strange sound like air leakage	• Check if there are any damages and/or holes in the tubes and connectors • Check the applicators right connection to the main body • Check if the tubes are pressed or bent
There is no pressure or the air	• Check the applicators right connection to the main body

doesn't go into the chambers	• Check if the tubes are pressed or bent • Check if the compression chambers swell up in a progressive way
Air goes into the compression chambers and/or an air leakage is present in the applicators	• Check if there are any holes or damages in the compression chambers. If there are not any air leakages, switch off the device then switch on it and re-check the right working

ATTENTION: with POWER Q1000 Premium double leggings version, always connect both leggings to the connection tube even if you use only one legging during the treatment.

Warnings

The following warnings guarantee user safety and prevention against damages and/or lesions.
Please read it carefully before using Power Q1000 Premium.

Warning

In case of not following the instructions the user may suffer from serious injuries

Caution

In case of not following the instructions the user may suffer from injuries or device damages

Indications

Prohibition indication

Pay attention

This is an indication for not disassembling

Disconnect the cable from domestic plug

Warning

Do not use the device in presence of acute inflammations or injuries. Infections risk

Please consult the doctor in case of cancer, intestinal problems, fractures, acute thrombosis and other invalidating pathologies.

Do not use the device if you feel pain or bad feelings

Do not exceed 20 minutes in the first treatments. We suggest to start with treatments of 5/10 minutes.

Use only in consenting adults.

Attention do not spill liquids or any substances on the device. Liquid penetration could damage the device.

In case of suspected malfunctioning do not open or repair the device. Do not use the device. Electric shock risk. Contact the distributor or fabricant.

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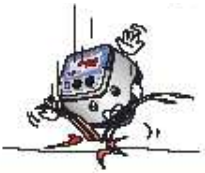
Do not connect or disconnect the device from domestic plug with wet hands. Electric shock risk.

Use the device only with 220V power supply. Electric shock risk. Disconnect the device from domestic plug when not in use.

Do not press, bend or damage the electric cable. Electric shock risk.

Avoid to connect more devices to the same multiple plug. Overheating risk

Avoid device hits or drops.



Caution

Use the device only for expected purposes.

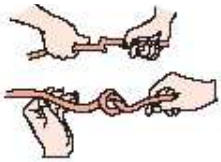
Product subject to WEEE regulations concerning separate waste collection of electronic equipment.

Do not place any objects on the device or on its parts (connector tubes, applicators, etc.)

If you not use the device for a long time or if you use the device in cold places, a malfunctioning may happen: make it operating by changing progressively the intensity for 3-4 times

Clean the device using a dry soft cloth. Do not use cleaning solvents or other chemical substances in order to avoid any damages.

Do not bend or tie the connection tubes.



Use the device only for expected purposes.

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Cleaning

Clean the device and its accessories using a soft cloth.
Resistant stains can be removed using a sponge soaked in solution of water and mild soap.
Wait for the complete drying before using the device and its accessories.
Do not use chemical substances, solvents or cleaners to avoid device and accessories damage.

Maintenance, carriage and storage

If it is used in accordance with the instructions of the user manual, the device does not need a particular regular maintenance.

Carriage precautions
It doesn't need any particular carriage precautions: however we recommend to put away Power Q1000 Premium and its accessories in their own box after every treatment.

Storage precautions
Power Q1000 Premium is protected till following environmental conditions:

Outside of the packaging

temperature	from +5 to + 40 °C
humidity	from 30 to 80%
pressure	from 500 to 1060 hPa

Inside of the packaging

Temperature	from –10 to +55 °C
Humidity	from 10 to 90%
pressure	from 500 to 1060 hPa

Disposal

The equipment is subjected to WEEE regulations (see the symbol on the label) concerning separate waste collection: when disposing

this product, please use the designed areas for disposing electronic waste or contact the manufacturer.

Assistance

Every intervention on device must be performed by manufacturer. For any assistance intervention contact the national distributor or:

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Via S. Pertini, 24/a • 30030 Martellago (VE) -ITALY
Tel. 041.5401356 • Fax 041.5402684

You can get any technical documentation on spare parts but only prior business authorization.

Spare parts

Contact the distributor or the fabricant for original spare parts at following address:

I.A.C.E.R. S.r.l.
Via S. Pertini, 24/a • 30030 Martellago (VE)
Tel. 041.5401356 • Fax 041.5402684

To preserve product warranty, functionality and product safety we recommend to use only original spare parts.

Warranty

Make reference to the national laws for any warranty conditions by contacting the national distributor (or directly the manufacturer IACER).

POWER Q1000 Premium is manufactured by:

Manufacturer: Wonjin Mulsan Co., Ltd.
Namdong Industrial Complex 10B-7L,
623-6 Namchon-dong, Namdong-gu, Incheon, I
Warranty Service: 82-32-816-0552

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